

**To:** CN=Phil North/OU=R10/O=USEPA/C=US@EPA[]  
**Cc:** []  
**Bcc:** []  
**From:** CN=Palmer Hough/OU=DC/O=USEPA/C=US  
**Sent:** Fri 4/15/2011 4:58:44 PM  
**Subject:** Re: pebble questions

Yes I was referring to the 2006 proposal - did it have any specs for dam width? I realize that there is no official proposal on the table but the 2006 proposal is a helpful reference.

---

Palmer Hough, Environmental Scientist  
tel: 202.566.1374 | fax: 202.566.1375

Wetlands Division  
U.S. EPA Headquarters (MC 4502T)  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460  
[www.epa.gov/wetlands](http://www.epa.gov/wetlands)

**From:** Phil North/R10/USEPA/US  
**To:** Palmer Hough/DC/USEPA/US@EPA  
**Date:** 04/15/2011 12:41 PM  
**Subject:** Re: pebble questions

There is no proposed tailings dam at this point. It is likely that PLP will proposed a small initial project, then expand. If the full deposit is mined it will be about 10 billion tons of tailings. Depending on the configuration of the impoundment that equals 10 to 20 square miles of tailings in one or more impoundments.

Phillip North  
Ecologist  
Environmental Protection Agency  
Kenai River Center  
514 Funny River Road  
Soldotna, Alaska 99669  
(907) 714-2483  
fax 260-5992  
[north.phil@epa.gov](mailto:north.phil@epa.gov)

"To protect your rivers, protect your mountains."

**From:** Palmer Hough/DC/USEPA/US  
**To:** Phil North/R10/USEPA/US@EPA  
**Date:** 04/15/2011 05:37 AM

Subject: pebble questions

Phil:

Do you know the proposed width (at base and crest) of the proposed tailings dam?

-Palmer

---

Palmer Hough, Environmental Scientist  
tel: 202.566.1374 | fax: 202.566.1375

Wetlands Division  
U.S. EPA Headquarters (MC 4502T)  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460  
[www.epa.gov/wetlands](http://www.epa.gov/wetlands)